Public Works (~~190~~ 1896) Department.

G.O., No 691. I

DATED 17-6- ~~190~~ 1896

[Despatch Abstract.]

Periyar Project:— Note by the Chief Engineer on the subject of the extension of wet cultivation under the anicuts above the Peranai, — transferred to the Revenue Department.

[P. W. O. 2,000—8-7-07.]

Indexed.

BACK PAPERS.

G.O.	No.	Department.	Date.	G.O.	No.	Department.	Date.

FURTHER PAPERS.

G.O.	No.	Department.	Date.	G.O.	No.	Department.	Date.

No. 321 I., 2ND APRIL 1896.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Irrigation.

READ—the following paper:—

Proceedings of the Board of Revenue (Revenue Settlement, Land Records and Agriculture), No. 39, dated 9th March 1896.

Read—the following letter from the Collector of Madura, dated 3rd March 1896, Ref. on C. No. 436-Gl.

I have the honour to report as follows regarding irrigation above Peranai from the rivers in which the Periyár water will run.

2. The only lands so irrigated in Dindigul taluk are 25·49 acres in the zemin village of Ettilodu. The Sub-Collector estimates that 2,460 acres in this and four other zemin villages might be brought under irrigation, but that there is no scope for extension of cultivation in Government villages.

3. In Periyakulam the existing cultivation is as follows in Government villages:

	First Group.	Second Group.
Irrigated from channels direct	5,360·91	757·18
Do. from tanks, channel fed	2,802·23	851·32
Total ...	8,163·14	1,608·50

The enhancement of assessment, if second group is raised to first group, will be from Rs. 8,345–6–0 to Rs. 10,006–2–0, or an increase of Rs. 1,660–12–0. I have asked the Sub-Collector to report if the enhancement is justifiable in the present fasli. There are also 760·85 acres of cultivation in the two zemin villages of Kuchanur and Uppukottai.

4. The Sub-Collector reports that 1,993 acres of Government and 186 of zemin land can be brought under irrigation without the construction of any new works, and that by the construction of new works 5,944 acres of Government and 1,260 of zemin lands could also be brought under cultivation.

5. The number of tanks that could be dispensed with is 24 and the area 1,256 acres.

The above shows roughly what scope there is for the extension of wet cultivation in Periyakulam, and it is presumed that further information is not required in order to settle the general point whether extension of cultivation there is to be permitted or not. If it is decided to encourage such extension, a detailed investigation will have to be made as in Madura and Mélúr taluks. The rough sketch forwarded by the Sub-Collector is forwarded for reference, to be kindly returned.

6. As for the coming second crop, for which water will be let down on March 15th, it had been my intention to place no restriction upon the cultivation of second crop in Periyakulam taluk, and the Superintending Engineer informed me that the water-supply at the head sluice of the channels would be regulated by arranging to maintain the tanks in which the channels end at a certain fixed level, and that no assistance or information from the Revenue Department would be required. The last reports from Periyár, however, show that unless rain falls, all we can expect is a constantly diminishing supply beginning with not more than 500* cubic feet. It will therefore be unsafe to allow any extension of second crop cultivation beyond the mamul area, and I am issuing orders accordingly. Regulation of supply by maintaining

* From a letter just received the supply is likely to be about 350 cubic feet at first.

tanks at a fixed level will therefore be impracticable. The Public Works Department officers will be furnished with information as to the area of mamul second crop under each channel, and will have to regulate the supply of calculation, corrected by experience with reference to information to be afforded by the Revenue Department, as to the sufficiency or otherwise of the water.

Resolution—No. 39, dated 9th March 1896.

Submitted to Government with reference to paragraph 16 of Board's Proceedings (Revenue Settlement), No. 29, dated 22nd February 1896.

2. The most recent information as to the quantity of water at present available in the reservoir is disappointing.

3. The Commissioner considers that a qualified officer of the Department of Public Works should be directed to inspect the area irrigable under each of the anicuts above the Peranai anicut, and to report what extension of wet cultivation is practicable, what tanks should be dispensed with, and whether there is any sufficient reason why the fullest possible use should not be made of the Periyár water in the Periyakulam taluk.

(True Copy and Extract.)

(Signed) P. RAJARATNA MUDALIAR,
Secretary.

Mis. No. 1091, Revenue.

The Board's proposal is approved and will be transferred to the Public Works Department for the issue of the necessary orders.

Fort St. George,
18th March 1896.

(Signed) LIONEL DAVIDSON,
Ag. Under Secretary to Govt.

Order—No. 321 I., dated 2nd April 1896.

Communicated to the Superintending Engineer, VI Circle, for early report.

2. Separate orders will be issued in the General branch regarding the establishment applied for by the Executive Engineer, Madura Division, in his letter No. A/3, dated 11th February 1896, to Mr. H. M. Winterbotham.

(True Extract.)

(Signed) R. R. E. DRAKE-BROCKMAN, Colonel, R.E.,
Secretary to Govt., P.W.D.,
Irrigation Branch.

To the Chief Engineer for Irrigation.
" Superintending Engineer, VI Circle,
with sketch (to be returned).
" Superintendent of Works, No. I Periyár Division.
" Revenue Department.
" Public Works Department (General,
Buildings and Roads Branch).

Exd. C. M. Thumbuswamy Pillay.
Spare Copies

CHIEF ENGINEER
FOR IRRIGATION.
13 AUG. 96
No.

IRRIGATION.

Govt. of {1896} Madras.

PUBLIC WORKS.

CHIEF ENGINEER
FOR IRRIGATION.
13 APR. 96
No. 2209

Dated April, 2nd.

Recd. *Encl.*

G.O. No. 321 I., 2nd April 1896.

APRIL.

Irrigation

Endorsement in the Revenue Department transferring Board's Proceedings submitting a report from the Collector of Madura on — above Peranai anicut from the rivers in which the Periyár water will run, communicated to the Superintending Engineer, VI Circle, with remarks.

No. 802. M.D

OFFICE OF THE SUPERINTENDING ENGINEER,
6TH CIRCLE,

Trichinopoly, 18 July 1896

Dy 20

From

W. Hughes Esquire
The Sperintending Engineer,
6th Circle.

To

The Chief Engineer,
for Irrigation

SIR,

ENCLOSURES.
1. Sketch. returned

With reference to the papers printed with G.O. No 321. I dated 2nd April 1896, I have the honor to state that it is impracticable to limit the quantity of water used for irrigation of the wet lands now supplied from the Suruliyar anicuts and the ryots must be allowed to raise two crops without restriction. My experience of the river during the last nine years is that for the greater part of the cultivating season the supply has been inadequate and I think it will be found that two crops of rice are raised in very few places. The alternative crop is usually ragi or some other crop requiring but little irrigation. If a liberal supply of Periyar water is given I should say one cubic foot will be used for every 100

100 acres of the first crop and the same for every 200 acres of the second crop. The average will work out to about 80 cubic feet per second during the cultivating season. I cannot say what the increase of revenue would be as the assessment is not given in the papers.

2. In my opinion extension of cultivation should not be allowed unless it is clearly shown that there is more than sufficient water to meet the ultimate demand in the Madura and Melur Taluqs where works have been provided at enormous expense for the irrigation of quite as much land as there is likely to be a good supply for. I may note that the 80 C.ft per second which will probably be used for the Sivilyar lands is not× allowed for in the estimates of water available for irrigation

× 500 [illegible] cubic feet are allowed for following the beds of the [illegible] & [illegible] vide note (b) Table VIII page 55 of the Periyar blue book

3. With regard to para 5 of the Collector's letter I think it would be inadvisable to dispense with any of the tanks. There is just the same need of them as in the Madura and Melur Taluqs.

I have the honor to be
Sir,
Your most obedient Servant
W. Hughes

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…ion of the several cities, the average

…ught not to exceed 50 cubic feet per

…t during the intervening season.

…and that at the entrance of Hudson

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…e Keeper.

…ollowing officers of Customs

…assisted in the attempt made so as

…y know that there is more than

…ient water to meet the settlements

…ced on the Hudson and Hudson's Valley.

…e could have been provided at

…ense expense for the irrigation of

…annually, and so large a tract by

…a good supply of it may make

…the 80 Cu. ft. per second which will

…ably be used for the irrigation lands

…t allowed for in the schedule,

…ly available for irrigation.

…the respect of some of the Collectors

…d these would be considerable.

…expense with many of the Cache Rapids

…the same kind of thing as in the

…and Hudson Valley.

I have the honor to be

Sir,

Your most obedient Servant

P. W. D. 6th CIRCLE.

FROM

THE SUPERINTENDING ENGINEER,

FOR IRRIGATION.
22 JUL. 96
No. 29 Irrid

6TH CIRCLE.

TO

THE CHIEF ENGINEER,

for Irrigation

NO. 802 Irrd

Dated. 18th } July 1896.
Received.

O.W. E.1 / 7207/96

Enclosure. 1

Irrigation - Reporting on — above Peranai anicut from the rivers in which the Periyar water will run.

Former Cases.

R No. 220 I dated 13-4-1896.
I " 26 Md. " 17-7-1896.
R " 25 Md " 1-7-1896
I " 19 Md. " 28-5-96

Receipt No. 29 Md

Dated 22-7-1896.

Later Cases.

R No. 30 Md dated 22-7-1896.
I " 146 I " 30-7 1896.
R " 444 I " 17-8-1896

Sent to Government with No. 146 I of 30-7 1896.

Printed with G.O., No. , dated 189 .

Reminders Received.

—

No. 1, dated 189 .
" 2 " "
" 3 " "
" 4 " "
" 5 " "

Keep-withs.

E. I. Form No. 5—2,000—30-4-96.

Receipt No. 29 Md

From

The Supg. Engr. 6th Circle

No. 802 Md

Dated 18-7-1896.

(Reply to E.I.'s Memo. No. , dated 189 .)

Subject— Irrigation

Reporting on above Perennial ayacut from the rivers in which the Periyar water will run.

papers

BR
22-7-96

Enclosures. 1

From to D.E.I.
"
" BR
23-7-96
"

Orig. clerk
Put up with this letter from Rev. Secy. asking information regarding the supply of water to Zemindary etc. & connected papers. I want to write a note for which I require these papers most urgently ... for [illegible]

Orders and Proceedings in File.

No.	Date.	No.	Date.

No. 691 I. [illegible] August 96

PUBLIC WORKS DEPARTMENT,
IRRIGATION BRANCH.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the

READ the following

Proceedings of the Madras Govt. (H.E. No 321 I. dated 2d April 1896)
Letter from the Supdg. Engineer 6 Circle (H.E. No 802 M.D. dated 18 July 1896)
Note by the Chief Engineer for Irrigation } (H.E. No 146 I. " 30th July 1896)

In the order read above the question is raised as to whether there is any sufficient reason why the fullest possible use should not be made of the Periyar water in the Periyakulam Taluq and as to what extension of wet cultivation is practicable under the anicuts above the Peranai.

2. The Periyar project as sanctioned did not provide for any such extension and certain works were sanctioned to enable all Periyar water to be passed round the anicuts above the Peranai. These arrangements were modified on a note by Coll. Pennycuick after inspection of each anicut in July 1890 and sanctioned in G.O. No 324 I. dated 10th April 1891. but the principle that Periyar water was to be passed on to the Peranai was adhered to.

3. The Periyar works below the Peranai have been designed and carried out to be suitable for the maximum supply expected from the Periyar reservoir and the undersigned entirely agrees with the Supdg Engineer that until it can be clearly shown that there is more than sufficient water to meet the ultimate demand for which the works are designed no extension of irrigation under the upper channels should be allowed.

It appears however that it will be impracticable to carry out [the] original intention of the project that is to pass on all Periyar water and that the owners of land under the upper anicuts must be allowed [to] take sufficient water for two crop[s] without restriction.

[4]. The Superintending Engine[er] calculates that a quantity of 80 cubic feet per second of Periyar water during the cultivation season will be sufficient to allow for this purpose. The assessment on these lands should be correspondingly incre[ased].

Order thereon.

Transferred to the Revenue Department with reference to his 2o 1091 dated 18th March 1896.

Rused [illegible]
30/7
96

E. I. Form No 1—1,000—27-11-95.

[P.] W. CURRENT No. 7207

23-7-96 No 852 D
26-2-98 - 2089
x vide no 38[illegible] of 97.

[Ex]tension of [illegible] cultivation [un]der anicuts above Peranai

Encls 2 (1 [illegible])
Rec. 10.8.96

No 691 I - d/17 August 96

Issue
[illegible] 5/8

[illegible] 2.8.96

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[illegible]

The Chief Engineer for Irrigation
" Supdg Engineer 6 Circle
" Supdt of works No 1 Periyar Div
" Revenue Department with Enclosures